# FRANZ-JOSEF AYESTARAN

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An accomplished and experienced Senior Analyst Programmer with a range of skills encompassing Development, Installation and Configuration of IT Hardware & Software, with a history of employment as an Application, Web, Mobile and Wearable Developer using the latest mainstream technology within an AWS Linux and Windows Azure Environment.

## TECHNICAL SKILLS / SUMMARY

| | | |
|---|---|---|
| **Windows / Embedded Development:** | **Microsoft Visual Studio** | (5+ years) |
| | **Microsoft Mobile / Compact Framework** | (5+ years) |
| | **Microsoft Embedded Visual Basic, Pi Pico** | (5+ years) |
| | **Borland Delphi**, **MPLAB / MPASM Assembler** | (5+ years) |
| **Apple Development:** | **Xcode, Objective-C, Swift / UI, WatchOS** | (5+ years) |
| **Android Development:** | **Android Studio, Kotlin, Wear OS, React Native** | (3+ years) |
| **Databases:** | **MS SQL**, **MySQL, SQLite, MongoDB and Redis** | (5+ years) |
| **Web / Other Development:** | **MS Visual Studio, Dreamweaver**, **Flash, Asp.Net VBScript, PHP, Python, Node.js, Next.js, React, jQuery, Vanilla JavaScript, PhoneGap, WML, HTML5, CSS3, IIS, Ftp and Artificial Intelligence** | (5+ years) |
| **Assembly Languages:** | **PIC RISC Micro-controller, 8086, 68000, 6502** | (5+ years) |
| **Microsoft Windows:** | **Windows 10 / 8 / 2012 / 2008 / 2003 / VISTA / XP** | (5+ years) |
| **Cloud Computing:** | **Windows Azure and Amazon Web Services** | (5+ years) |

## SOFTWARE LABEL - INDEPENDENT APPLE APP STORE DEVELOPMENT

**Apple iOS Developer Program,** **Enrolled July 2009 – Present**
*(6 Apps available to download from the Apple Store)* **apps.zonktechnology.com**

Been enrolled on the Apple iOS Developer Program since 2009, having successfully submitted and continue to update a variety of my own apps on the Apple Store through TestFlight.

**iTracker** *Prototyped in PhoneGap Migrated to Native Objective-C iOS6, updated for iOS 7 - 12*
Is a GPS based telemetry logger that stores real-time location data at user defined intervals. Journey information can be displayed on an interactive map or through the built-in CSV and GPX viewer. Routes exported via email and Dropbox can be imported into third party software that support both Comma-separated and GPS eXchange file formats. Waypoints can be graphically or manually bookmarked, then imported and exported via the clipboard.

**iWeatherMap** *Developed for iOS7, updated for iOS 8 - 18* **iweathermap.zonktechnology.com**
Hassle free, past and present weather forecasting with accurate short term and long term future predictions, anywhere in the world. The simple to use UI comes into it's own when choosing a geographical location within a specific point in time, making it ideal for a variety of forecasting requirements.

Other apps include…     **iPicSolve®,     iWebSearch,     iColourPicker,     iTimeTable**

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**Senior Analyst Programmer,** (*Freelance*)         **January 2016 – Present**
**Silicon Roundabout**
(***Startups***)

Developing iPhone / WatchOS and Android / Wear OS / React Native based minimum viable products for the startup community, solutions consisting of server and client-side technology that are subject to non-disclosure agreements.

**Chief Technology Officer,** (*Full Time*)       **January 2015 – December 2015**
**MangoSteam LTD, Canary Wharf**         **www.mangosteam.net**
(***Startup***)

Developing and maintaining backend servers while providing instruction and guidance to off-shore outsourced front-end native mobile developers, ensuring coding standard & conformity.

**Senior Developer,** (*Full Time*)       **March 2014 – December 2014**
**Hitched LTD, Camberley**         **www.hitched.co.uk**
(***Wedding and Leisure***)

**hitched for Wedding Guests**   *(Available on the Apple App Store – Native  iOS 8)*

Brought on-board in order to turn around the time already invested developing the company's first iOS based mobile app. As a result of this, knowledge of iOS development is now in-house and the app has now been pushed to the Apple store within the allotted time.

- The overseeing of an outsourced offshore team of mobile developers
- Ensuring a comprehensive scalable and maintainable programming library
- Implementation of bespoke Storyboard UI's for an enhanced and optimal UX
- Dependency management by means of CocoaPods
- Mobile communication via a C# ASP.NET, JSON and RESTful based Web API
- The integration of 3rd party libraries such as AFNetworking, Parse push notification, FMDB, Google Analytics / Interstitial / Monetisation, Objective-Zip and Zbar
- Arc Development, Forecast.io Weather Web API, Grand Central Dispatch (GCD)

Full stack development in a Windows / Mac / iOS / AWS and SQL Development environment using Xcode Objective-C, Visual Studio C#, MS SQL Server, SQLite, Core Data, DOT NET, Instruments, GitHub, SVN, TestFlight, Local and Remote Push Notification.

**Senior Analyst Programmer,** (*Full Time*)       **March 2011 – February 2014**
**Simplyhealth (Groupama Healthcare), Letchworth**     **www.simplyhealth.co.uk**
(***Private Medical Insurance***)

Having recently been acquired by Simplyhealth, I found myself discussing with the then CEO about what mobile technology could bring to the company. The conversation moved on to an idea that he had for a mobile passive fitness tracking app which would encourage people to invest time in walking part way towards their daily commute. As a result of our 20 minute meeting,

the company provided myself and a colleague with the latest Apple technology in order to investigate how this platform could bring their business services closer to their customers' needs.

**[Mobile Santé](**A member's guide**) *Prototype and Proof of Concept***

Designed and developed in a Windows / Mac / iOS / Cloud and SQL Development environment using Windows Azure, AWS, Visual Studio 2012, MS SQL Server / Reporting Services 2012, DOT NET Framework 4.5, Xcode Objective-C (iOS6), TestFlight, Dreamweaver CS6, PhoneGap 2.7, Hybrid, jQuery Mobile and Html5.

**Web / Software Developer,** (*In-House*)                    **December 2009 - February 2011**
**Acwebserve, Maidenhead**                                      **www.acwebserve.com**

Hosted a collocated Dell PowerEdge 650 web and database server at RapidSwitch to assist and work in tandem with the following in-house development technology…

· Pic-Microcontroller                              · Windows Mobile 6.5 VB.NET 3.5
· Visual Studio 2010, ASP.NET 4            · MS SQL 2008

**Web Developer,** (*Volunteer*)                              **December 2008 - July 2012**
**Berrygrove School, Watford**                            **www.berrygroveschool.co.uk**

Design, development & maintenance of a bespoke website and web-content management system using MS Visual Studio 2010 / SQL Server 2008, ASP.NET4.5, IIS 7.5, MySQL 5, Dreamweaver / Flash CS6, Html5, PHP5, jQuery Mobile, jScript, CSS3, Crystal Reports 10.

**Web / Software Developer.** (*Full Time*)                 **February 2006 - November 2009**
**Holstein UK Ltd, Rickmansworth, Hertfordshire**          **www.holstein-uk.org**
(*Pedigree Society*)

**Software Development**
Coding and Testing, Product Maintenance, Maintaining In-house Software Standards, Performance Tuning, Customer Support, Ad-hoc Queries & Documentation.
**Development Platforms, Applications and Languages**
Win Server 2003 / XP / Mobile 5, MS SQL Server & Visual Studio 2008, Crystal Reports 10, ASP.NET, VB.NET, DOT NET 1.1-3.5, T-SQL, IIS 7, WAP / GSM, Access 2003, SVN, Adobe Captivate / Dreamweaver / Flash / Photoshop CS3.

**Mobile Type Classification Service**
In a team involved with the design, development and implementation of a Windows Mobile 5 Professional VB.NET 3.5 based solution in order to classify cows for the farming industry using the Symbol MC9094 hand held device. Gathered Information is validated and processed using a compact version of SQL, this is then transmitted back to in house servers via a GSM based web service. Classification reports are generated and printed at the client's site via a Bluetooth printer.

**Real Time Inbreed Co-Efficient Calculator**
Developed T-SQL Stored procedures to reflect the co-efficient algorithms researched by our company geneticist in order to allow clients to accurately predict inbreed co-efficiency in existing and mating cattle. The Stored Procedures are called through a data access and business logic layer by an ASP.NET 2 based web and mobile phone based solutions.

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**Network Engineer,** (*Contract*)
**Cheeky Munkey Ltd, Bricket Wood, Hertfordshire.**       **December 2004 - January 2006**
**(*PC Network Installations*)**                                        www.cheekymunkey.co.uk

Designing, planning, installing, configuring, maintaining and fault finding Cat 5 Peer-to-Peer, workgroup and domain networks using Cisco Aironet 1200 Wireless Access Points. Replaced paper job sheets with a digital version.

**Software Developer,** (*Freelance*)
**Zonk® Technology, Wilbury Way, Hitchin**                **January 2003 - January 2006**
**(*ActiveX and Pocket PC Development*)**                       www.zonktechnology.com

### PDA Digital Job sheet - Microsoft Embedded Visual Basic
Designed, developed and implemented with Cheeky Munkey, a Pocket PC 2000 based digital job sheet solution as an alternative to the previously used paper system. The Network Engineer fills out the job sheet on their PDA which is checked and then signed digitally by the Customer, using a stylus and a touch screen. The Engineer's completed and signed job sheets are then sent electronically to a webserver, where they can be viewed on-line.

### GPS Telemetry Recorder – Visual Basic 6
Developed to display real-time Global Positioning Information direct from a GPS connected to a Laptop via Bluetooth or a Standard Serial Port. The data stream record received from the GPS can be streamed to a Text File or placed into a Table on a Database hosted on SQL Server. The data can be in turn displayed in a Web Page and hosted through IIS or Apache enabling a live feed to Users online.

**Visual Basic Consultant,** (*Contract*)
**CJL Computers Ltd, Axminster, Devon.**               **November 2002 - December 2002**
**(*MultiValue and PICK Based Systems*)**                       www.cjlcomputers.co.uk

Designed and developed a bespoke automative carburetter parts desktop application for Burlen Ltd in Visual Basic 6 to access information stored on a MultiValue Database System using OLEDB connectivity. The original database system used green screen and command line driven menus and needed to be developed in Visual Basic to make full use of the Windows graphics user interface.

**Software & Database Developer.** (*Full Time*)
**Analogue and Digital Technology PLC, Dunstable.**        **April 1999 - October 2002**
**(*Apple Authorised Service Provider*)**                             www.euro-adt.com

**Software Database Development**
As part of the IT Department my job was to develop in house software and database systems using Borland Delphi 7, FileMaker 5 and Microsoft Transact-SQL 2000.

Developed a clocking system in Delphi allowing employees to clock in and out by simply swiping an ID card with a barcode printed on it. The personnel and clocking data were stored on SQL Server 2000 accessed via ADO using Stored Procedures to prepare and process employee clocking reports.

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## OPEN SOURCE REPOSITORY / PUBLIC DOMAIN

**Code Munkeys** (*Organiser*)                                    **February 2014 - Present**
**Open Source, Online**                              **https://github.com/code-munkeys**

A meet up for software developers interested in learning new technologies with like minded people. We meet every 3 weeks on Thursday evening to discuss a topic in the software engineering genre. Members can vote on which topic they would like to discuss. There will be web links to suggested learning in preparation for the meet up. Explored coding techniques and tutorials are available on GitHub.

**iTodo**  *(Available on-line)*                    **https://github.com/code-munkeys/itodo**

A full stack approach to integrating mobile and server side technology.

Project open source code includes...

1. Mobile App (Xcode15 Objective-C iOS18)
2. Restful Webservice C# WebAPI (MongoDB.Net Driver 1.8.3.9)
3. Database (MongoDB 2.4.9)

**Archive.Org** (*Contributor*)                                        **March 2021 - Present**
**Community Software, Online**          **https://archive.org/details/@franz_ayestaran**
**(Public Domain)**

A collection of legacy MS-DOS applications that I developed back in the 90s.

## CERTIFICATION / EDUCATION / PERSONAL

| | | |
|---|---|---|
| **The Open University** | BSc (Honours) Degree in Computing and IT | **Studying** |
| **City & Guilds** | Website Software – Dreamweaver Level 3 | **March 2011** |
| **City & Guilds** | Communication & Information Technology | **July 1987** |
| **CRB Enhanced Disclosure** | 001219712606 | **May 2013** |
| **Data Protection** | Groupama Insurances | **October 2011** |
| **Forklift License** *(Counterbalance & Reach)* | RTITB 100231108 | **September 2010** |
| **Health & Safety** | Level 2 Award – In the Workplace | **September 2010** |

**UK CAA - Drone & model aircraft:** A1 & A3 OSC / GBR-RP-KZVMMXMTKZBK **July 2021-26**

**Other Roles:** Fire Warden          **Resident:** UK     **Driving Licence:** Full UK Car & Motorcycle

**Interests:**  Rebuilding Car and Motorcycle Engines, Motorcycle / Single Seater Track Days